

## dunetpc - Bug #25460

### protodune\_minimal\_simulation\_services table is not defined in dunetpc v09\_15\_00

02/01/2021 07:33 PM - Thomas Junk

<b>Status:</b>	Closed	<b>Start date:</b>	02/01/2021
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Alexander Himmel	<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>			
<b>Description</b>			
protodune_minimal_simulation_services table is not defined anywhere in dunetpc v09_15_00, but it is referenced by protoDUNE_refactored_detsim_stage1.fcl, a recommended fcl file in the refactored workflow <a href="https://wiki.dunescience.org/wiki/ProtoDUNE-SP_Simulation_Task_Force#Refactored_Split_Simulation_Flow">https://wiki.dunescience.org/wiki/ProtoDUNE-SP_Simulation_Task_Force#Refactored_Split_Simulation_Flow</a>			
I replaced @table::protodune_minimal_simulation_services with @table::protodune_simulation_services in protoDUNE_refactored_detsim_stage1.fcl and it runs.			

#### History

##### #1 - 02/01/2021 07:47 PM - Thomas Junk

Adding Alex to the watchlist as this commit may be the one to remove protodune\_minimal\_simulation\_services.

[https://cdcv.sfnal.gov/redmine/projects/dunetpc/repository/revisions/4a4b6af0ad1fba6a1cce5a903bc0fa543d4a557c/diff/dune/Utilities/services\\_refactored\\_pdune.fcl](https://cdcv.sfnal.gov/redmine/projects/dunetpc/repository/revisions/4a4b6af0ad1fba6a1cce5a903bc0fa543d4a557c/diff/dune/Utilities/services_refactored_pdune.fcl)

##### #2 - 02/01/2021 07:58 PM - Thomas Junk

I also had to modify

```
@table::protodune_simulation_services
```

in

```
protoDUNE_refactored_detsim_stage2.fcl
```

to

```
@table::protodune_refactored_simulation_services
```

to get it to run.

##### #3 - 02/02/2021 07:26 AM - Alexander Himmel

- Assignee changed from Wenqiang Gu to Alexander Himmel

- Status changed from New to Assigned

I will take a look today. I removed this table intentionally, and I thought I updated all the job fhicls, too, but apparently I missed these. I guess they aren't run by CI? We should probably add them.

##### #4 - 02/02/2021 12:30 PM - Wenqiang Gu

Alexander Himmel wrote:

I will take a look today. I removed this table intentionally, and I thought I updated all the job fhicls, too, but apparently I missed these. I guess they aren't run by CI? We should probably add them.

Hi Alex and Tom,

Yes, this "minimal" service is useful as it saves memory at the detsim stage simulation. Please add it if possible.

-Wenqiang

##### #5 - 02/02/2021 01:42 PM - Alexander Himmel

Sure, I will do it. Relatedly, the combined detsim job fhicl includes the following additional services:

```
# DetSim services.  
services.SimChannelExtractService: @local::scxgeneric  
services.ChannelNoiseService:      @local::chnoiseold  
services.PedestalAdditionService:   @local::padprovided  
services.AdcDistortService:         @local::stuckbits  
services.AdcSuppressService:        @local::zslegacy  
services.AdcCompressService:        @local::cmpblock
```

Are they needed in either stage1 or stage2 fhicls? They don't appear in either, which suggest the split and non-split processes may be inconsistent.

**#6 - 02/02/2021 03:57 PM - Alexander Himmel**

OK, fix committed. The answer to the above is that those services are no longer needed since they have been supplanted by WireCell simulation.

**#7 - 02/02/2021 03:57 PM - Alexander Himmel**

*- Status changed from Assigned to Resolved*

**#8 - 02/02/2021 05:12 PM - Thomas Junk**

Sounds good! If there is a standard workflow for wirecell simulation, we should link it on the wiki. I was just testing my diverter simulation and needed a full chain.

**#9 - 02/22/2021 08:11 AM - David Adams**

*- Status changed from Resolved to Closed*

I assume this can be marked closed. Not sure why we have the "resolved" option.